

HCMR150-4/CR

Hybrid 4 channel VHF TX/RX Combiner

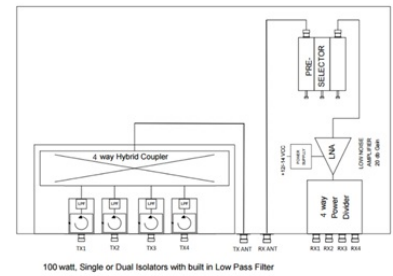
HCMR150-4 series is a VHF TX/RX hybrid combiner with single or dual isolators used with two antennas, one RX and one TX or to be used with external duplex filter.

- Standard EIA 19" tray, 400 mm depth and 2HU in a closed cabinet.
- Comes with an integrated power indicating light emitting diode (LED)
- Integrated power supply, 100-240 VAC; 50/60 Hz
- Tuned to customer specified frequencies, needs to be specified when ordering
- Option: Redundant power supply can be provided!



ELECTRICAL SPECIFICATIONS

| | |
|---------------------|--|
| Type | Hybrid VHF TX/RX Combiner - 4 Channels |
| Frequency | L: 134-155 MHz H: 155-175 MHz |
| VSWR | ≤ 1.5:1 |
| Impedance | 50 Ohm |
| Max. Input Power | 100 Watts (Per channel) |
| Insertion Loss (TX) | Single Isolator: < 7.8 dB Dual Isolator: < 8.1 dB |
| Isolation TX - TX | Single Isolator: > 50 dB Dual Isolator: > 70 dB |
| Isolation RX-RX | > 20 dB |
| Bandwidth (RX) | Approx. 3 MHz (Adjustable in band) |
| LNA Gain | RX: 20±1.0 dB |
| LNA Noise Figure | < 2.0 dB |
| Power Supply | 100-240 V; 50/60 Hz (Max. 7W) |



Datasheet

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MECHANICAL SPECIFICATIONS

| | |
|-----------------------|--|
| Color | Black Grey (RAL7021) |
| Dimension | 485 x 89 x 400 mm (W x H x L) |
| Weight | HCMR150-4S: 10.4 kg HCMR150-4D: 12.3 kg |
| Connector | Type N-female |
| Serial no. | On product label |
| Operating temperature | -20° to +60°C |

ORDERING INFORMATION

| | |
|---------------|--|
| 55140-003L/CR | HCMR150-4SL 134-155 MHZ 4CH x 100 W Single Isolator |
| 55140-103L/CR | HCMR150-4DL 134-155 MHZ 4CH x 100 W Dual Isolator |
| 55140-003H/CR | HCMR150-4SH 155-175 MHZ 4CH x 100 W Single Isolator |
| 55140-103H/CR | HCMR150-4DH 155-175 MHZ 4CH x 100 W Dual Isolator |
| Note | Power cable is not included |

